



COATINGS SOLUTIONS

HIGH PERFORMANCE

Technical Data Sheet

3150 County Line Rd, STE 4

Lakeland, FL 33811

www.coatingsoln.com - Office: 863-450-2192 - E-mail: info@coatingsoln.com

Tru-Alpha Water-Based Urethane

Description:

TRU-Alpha Water-Based Urethane is two component system. Formula has excellent scratch and chemical resistance virtually not affected by solvent exposure. Easy to mix three parts urethane resin to one-part catalysts by volume.

Available in Gloss and Low-Lustre

Typical Applications:

Retail and Commercial Flooring

Garage and Showroom Floors

High-Traffic Interior Applications

Approved Basecoats:

Water-based or 100 solids epoxy. Also approved as clear coat on Metallic Floors, concrete countertops and dye stained floors.

Surface Prep & Priming:

Grind concrete floors to CSP-3, vacuum dust, wipe with Denatured alcohol. Apply 100 solid or Water-Based Epoxy Primer at spread rate of 180-250 sq. ft. per gallon. (See product label for further instruction.)

Mixing:

Partial kits: If mixing less than a full kit, mix three Parts A to one Part B by volume at low speed mixer for two minutes.

Full kits: If mixing a full 1-gal kit. Open quart of Part B pour contents into the pail containing gallon of premeasured Part A; stir with a jiffy mixer for 2 minutes to ensure material is homogenous. Avoid whipping air into the coating. Improper mixing may result in product outgassing.

Colorpacks: add 24 ounces of concentrated colorant per gallon of clear. two coats recommended.

Application:

Mixed material can be dipped and rolled evenly with 3/16" nap roller to maintain the desired thickness. Back rolling is recommended to obtain uniform finish.

Flaked Floors: Mix only enough material to coat from expansion joint to joint. Flakes can be broadcasted right after back rolled. Let cure 24hrs. Then apply Clear Finish Coat of Epoxy, Water-based Urethane or Polyaspartic. Finish coat. Choice of topcoat job specific.

Slip Resistance a fine 100 mesh aggregate can be added. Refer to TRU-Non slip for more information.

Coverage: per gallon

Primer on porous concrete 250

Pigmented primer for vinyl chip broadcasting Solid color for concrete floors 250-350

Grout coat or finish coat on flaked floors 250

Apply at temperatures between

55-90 degrees Fahrenheit.

Dry time & Recoat:

Tack free/foot traffic: 6-8 hrs. Recoat 12-24 hrs.

Heavy foot traffic 48 hrs. Vehicular Traffic 3 days.

Lightly sand the surface and wipe down with denatured alcohol or acetone before applying additional coats or finish coats.

Physical Properties:

Viscosity Mixed Low-Lustre/Satin/Gloss	Brookfield @60 degrees	250cps
Solids (Weight/Volume)	ASTM D 2369	58 % /45%
Adhesion to Concrete	ASTMD 4541	550psi
Koenig Hardness	ASTM D4366	130



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Tabor Abrasion	ASTM D4060	3.8 mgs lost
Coefficient of Friction	ASTM 2047	< .60
VOC	< less than 50 grams/liter	

Regulatory

Less than 50 grams/liter

Meets all VOC categories in US and Canada

Contributes to Leed

Warranty:

Material only if proven defective, no labor

Available Kit Sizes:

1, 4 and 20 gallons in Gloss and Lo-Lustre

Chemical Resistance: ASTM D-1308

Acetic Acid	Y
Acetone	N
Ammonia 30%	Y
Anti-Freeze	Y
Animal Urine	Y
Brake Fluid	Y
Chlorine	Y
Chromic Acid 10%	Y
Gasoline	Y
Hydraulic Fluid	Y
Hydrochloric Acid 10%	Y
Hydrofluoric Acid	N
Hydrogen Peroxide	Stain
Methyl Ethyl Ketone	Y
Methanol	Y
Methyl Chloride	N
Mineral Spirits	Y
Motor Oil	Y
Mustard	Slight Stain
Nitric Acid	N
Orange Juice	Y
Phosphoric Acid	Y
Silver Nitrate	Y
Skydrol	Y
Sodium Hydroxide (Caustic)	Y
Sodium Hypochlorite (Bleach)	Y
Sulfuric Acid 10% (Battery Acid)	Y
Windshield Wiper Fluid	Y



Handling, Storage, Disposal & Clean-up:

May irritate eyes wear gloves

Store in clean dry area do not freeze

Dispose in accordance with all state local and federal laws

Clean-up tools and equipment with warm water

Applied with two coats of Tru-Alpha Urethane WB in Platinum Gray. 24 oz of Colorpack was added to clear base